Unlimited Connectivity,
Samsung Enterprise Convergence

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Samsung Enterprise Convergence

Samsung

SMB IP Solution

IP-PBX SYSTEM

SAMSUNG

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Samsung **SMB IP** Solution

* The contents of this document are subject to change without notice

SAMSUNG

Samsung's new technology maximizes business performance
Powerful network solution that breaks barriers of time and space

– With Samsung

Why Samsung OfficeServ?

- Next-generation IP convergence network with voice & data and wired & wireless integration
- Optimal IP telephony investment with full utilization of the existing telecommunications infrastructure
- Secure Multimedia Communication solution with improved QoS and security features compared to existing IP enabled solutions
- Future-proof system scalability and IT networking

OfficeServ Solution

OfficeServ is Samsung's futuristic enterprise IP solution
integrating voice & data and wired & wireless

Culmination of Samsung's rich experience in backbone networks and core mobile technologies married with IP technology, the **OfficeServ solution** is designed to be tailored for each customer with support for the increasingly popular video communications and UC features as well as the conventional analog and digital telephony.

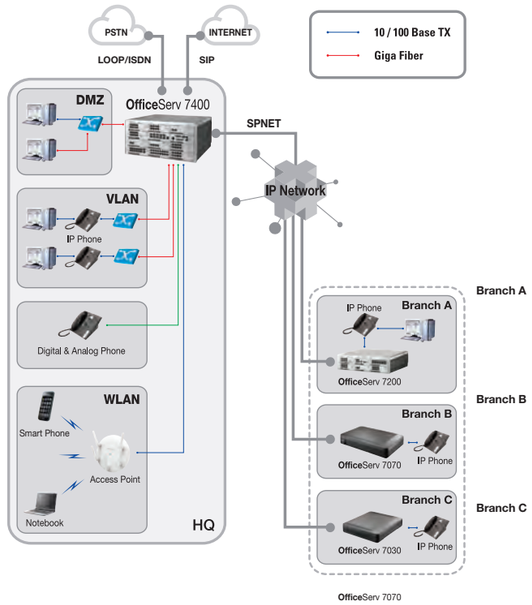
Excellent reliability and compatibility of OfficeServ solution

OfficeServ solution uses multimedia cards and the distributed control method for higher stability, and its reliability is tested and proven with the UL/FCC certification. Excellent compatibility is provided by accommodating the line cards and key phone devices of the existing key phone system, convenience of management is ensured with features such as self diagnosis, fault reporting, and software upgrade support, and scalability is improved by adopting the building-block method with universal slots.

Creating value by offering various IP solutions

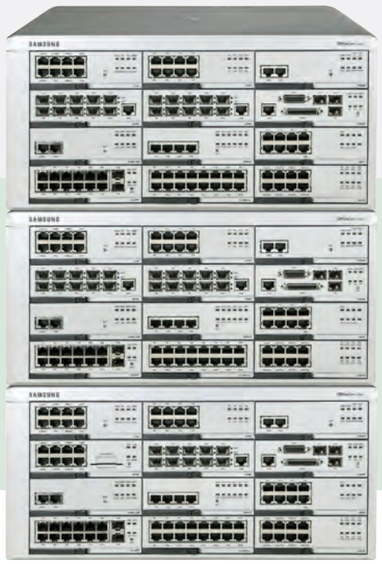
By offering various IP solutions such as Operator a PC-based AA solution and Soft Phone a software-based IP phone running on PCs, OfficeServ ensures ease and convenience of using its functions.

OfficeServ Solution Dialogram



OfficeServ 7400/7200/7100

This next-generation multimedia communication solution with capacity for 20 to 400 lines supports IP telephony, routers, Gigabit switches, and firewalls, and is ideal for the new office environment.



OfficeServ 7400

OfficeServ 7400/7200 Features and Benefits

_ System scalability
Expansion is as easy as adding more racks. IP networking is supported between OfficeServ products. OfficeServ 7400 can use OfficeServ 7200 as its expansion rack.

_ Media Proxy Function
Telecommuting solutions are provided in the NAT environment without additional equipment.

_ Stable Mobile Commuication
Interfacing with FMC Client allows excellent voice quality as well as various functions optimized for mobile communications.

_ Supports various terminals with specialized functions
Accommodates all types of terminals Analog phone , Digital Phone, IP Phone, FMC Client etc.

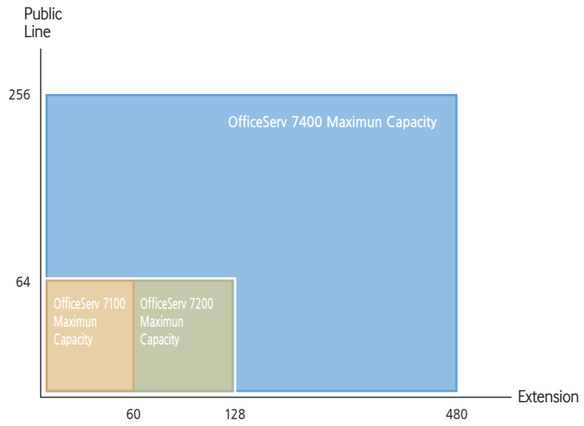
_ Multimedia Networking Enviorment Support
A unified multimedia communications environment is created by providing enterprise collaboration solutions video conferencing through IP video phone and multimedia IP soft phone.

_ Integrated Networking Enviorment Support
Provides voice call and data transmission services.

_ Next Generation Platform
Uses an IP-based feature server to provide an all-IP solution with mail server, SIP server and VoIP capabilities.

OfficeServ 7200

OfficeServ 7400/7200/7100 Line Configuriition



OfficeServ 7100

Office Serv 7400/7200/7100 Specification

	Extension./ Public Line	Expanded Standards					
		OfficeServ 7400		OfficeServ 7200 (MP20)		OfficeServ 7100	
Public Line	Analog Public Line	256	256	64		64	
	PRI Public Line						
	SIP Public Line	224					
	SPNet Port						
Extension	Analog Phone	480	480	128	128	32	60
	Digital Phone	480		128		32	
	SamSung IP Phone	480		128		56	
	SamSung FMC Client	256		64		8	
	SIP Phone	480		128		56	
ETC	Mobex Basic	400		120		Mobex Basic 60	VMS 4
	Mobex Executive	256		64		Mobex Executive 8	MGI 8
Size (mm)		1Rack : 440(W) x 223.8(H) x 410(D) 2Rack : 440(W) x 447.6(H) x 410(D) 3Rack : 440(W) x 671.4(H) x 410(D)		1Rack : 440(W) x 123.8(H) x 410(D) 2Rack : 440(W) x 247.6(H) x 410(D)		440(W) x 75(H) x 410(D)	
Power Supply		AC Input : AC 110, 220 V (Free Voltage) External Battery : DC 48V / 40 AH, MAX		AC Input : 220 V, 60 Hz External Battery : DC 48 V / 40 AH, MAX		AC Input : AC 110, 220 V External Battery : DC 48V / 26 AH, MIN	

OfficeServ 7070

Samsung OfficeServ 7070 is an IP-PBX optimized for a small office of 50 or fewer employees. It provides foolproof support for the existing telecommunications infrastructure as well as VoIP communications.
Its performance is further proven with the CID, auto attendant, and voice mailing service features which are essential for the small office environment.

Establishing excessive telecommunication system is wasting your precious investments! Get telecommunications infrastructure perfectly tailored for your business!

Build the best telecommunications infrastructure for your business with Samsung OfficeServ 7070 and advance toward success.

OfficeServ 7070 Features and Benefits

_ Built-in additional functions for small office customers
- Voice mail, Auto Attendant, CID Supprot installing any additional equipment
- Built-in Misoellaneous (Intermal MOH1,External MOH1, Paging1,Contact2)

_ VoIP Supprot
- VoIP 8 channel support without installing any additional equipment
- The SIP trunk support helps save communication costs by interfacing with an Internet telephony service provider
- Telecommuting solution using IP networking
- Supports establishing an integrated VoIP network for dispersed sites of business

_ Easy Installation
- Provides 100% of conventional PBX telephony functions
- Using the same software platform as the OfficeServ 7000 series ensures easy installation
- The single-cabinet structure can be mounted on the wall as well
- Various service boards can be expanded using the universal slots
- The elegant design nicely blends with the small office environment

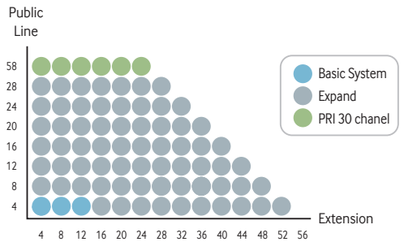
_ Scalability
- Supports for various line configurations with addition of 4 lines each time
- Supports OfficeServ 7000 series and Spnet Networking

_ Various business solutions based on Service Oriented Architecture (SOA)
- Provides Open TSP Driver for interfacing with solutions of other manufacturers for improved customer business performance

_ Terminal line-up optimized for user environment
- Supports IP Phone, SIP Phone, Softphone, Samsung FMC Client, Didital phone, Analog Phone

_ Powerful management functions
- Database Export/ Import
- Package Upload
- Telephone config Function
- Voice Mail/ Auto Attendant Config Function

OfficeServ 7070 Line Configuriition



Office Serv 7070 Specification

Basic Line Capacity	4 Trunk + 4 Digital + 8 Analog	
Basic System	Size(mm)	425(W) x 87(H) x 315(D)
	Power	135 Watts
	CPU	M82511 375 MHz Dual Core
	VM port (G.711)	128 MB SDRAM, 512 MB NAND Flash
	Power Supply	AC Input - AC 200 ~ 240 V, 3 A, 60 Hz External Battery - DC 48 V, 4 A

Basic Line Capacity

Analog Phone 8 Line + Digital Phone 4 Line + Analog Public Line 4

Maximum Line Capacity

	Extension. /Public Line	Expanded Standards	
Public Line	Analog Public Line	28	
	PRI Public Line	30	
	SIP Public Line	8	
	SPNet Port		
Extension	Analog Phone	44	
	Digital Phone	36	
	SamSung IP Phone	32	32
	SamSung FMC Client	8	
	SIP Phone	32	
ETC	AA port (G.711)	4	
	VM port (G.711)	4	
	MGI port (G.729)	8	

OfficeServ 7030

Meet OfficeServ 7030, an IP telephony system for small offices with many features at an attractive price.
Designed to support your business communication needs, Samsung OfficeServ 7030 is a small IP PBX equipped with VoIP channels and various additional functions as well as the conventional TDM-based functions.

OfficeServ 7030 Features and Benefits

_ Small IP-PBX optimized for office of 20 or fewer workers
- Low-capacity exchange system in the OfficeServ 7000 series

_ Support VoIP
- The SIP trunk support helps save communication costs by interfacing with an Internet telephony service provider
- Telecommuting solution using IP networking
- Supports establishing an integrated VoIP network for dispersed sites of business

_ Easy Installation
- Wall mounting support
- Simple addition of 4 lines at a time

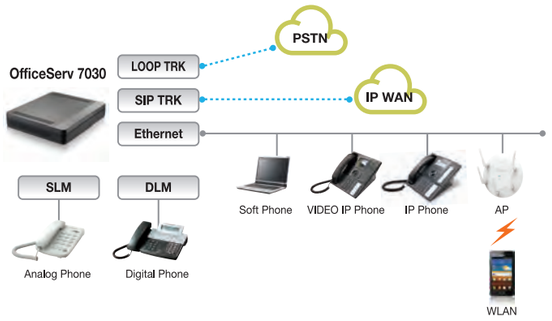
_ Compatibility and scalability with the OfficeServ 7000 series
- Same functions using the same software platform
- Scalability using SPNet
- Expandable to 2 racks

_ Supports various terminals with specialized functions
- Accommodates all types of terminals Analog phone , Digital Phone, IP Phone

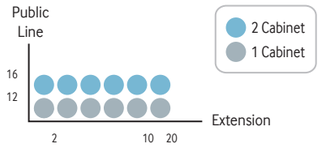
_ Embedded Resource
- Embedded MGI, VMS Channel
-

_ Powerful management functions
- Database Export/ Import
- VMS Config
- Package Upload
- Telephone Function Config

OfficeServ 7030 Diagram



OfficeServ 7030 Line Configuriition



Office Serv 7030 Specification

Basic System	Size(mm)	320.5(W) x 72(H) x 365(D)
	Weight	2.3 kg
	Power	72 Watts
	CPU	M82805, 375 MHz
	Memory	128 MB SDRAM, 512 MB Flash ROM
	Power Supply	AC Input - AC 110 ~ 240 V (free voltage), 60 Hz External Battery - DC 48 V, 3 A

Basic Line Capacity

Analog Phone 2 Line

Maximum Line Capacity

	Extension. /Public Line	Expanded Standards		Total
Public Line	Analog Public Line	8		16
	SIP Public Line	8		
	SPNet Port			
Extension	Analog Phone	20		20
	Digital Phone	16		
	SamSung IP Phone	16	16	
	SamSung FMC Client	4		
	SIP Phone	16		
ETC	AA & VM port (G.711)	4		4
	MGI port (G.729)	8		8

OfficeServ IP Phone

Inspiring and energizing your office Environment.

- Samsung IP phones can make your business more efficient, collaborative and agile with enhancing productivity and communication among employees and off-site colleagues while helping to reduce costs

SMT-i5243

- UC Phone for Office
- 109.22mm Color LCD
- 2EA 10/100 Mbps Ehternet
- Support 1Gbps for PC (Option)
- Support POE (IEEE 802.3af)
- 14/14 DSS/BLF Buttons
- XML Support
- G.722, G.711 G.729a/b
- sRTP, TLS, ARIA, 802.1x Support
- IPV6 Support
- VOD, Push Live Service
- Full UC Featured IP Phone with Uc dial

SMT-i5220

- UC Phone for Office
- 81.28mm Color LCD
- 2EA 10/100 Mbps Ehternet
- Support 1Gbps for PC (Option)
- Support POE (IEEE 802.3af)
- 24/24 DSS/BLF Buttons
- XML Support
- G.722, G.711 G.729a/b
- sRTP, TLS, ARIA, 802.1x Support
- IPV6 Support
- Full UC Featured IP Phone with Uc dial

SMT-i5230

- UC Phone for Office
- 81.28(4line)mm Color LCD
- 2EA 10/100 Mbps Ehternet
- Support 1Gbps for PC (Option)
- Support POE (IEEE 802.3af)
- 7/7 DSS/BLF Buttons
- XML Support
- G.722, G.711 G.729a/b
- sRTP, 802.1x Support
- IPV6 Support
- 71.12mm LCD Desi-less display
- Full UC Featured IP Phone with Uc dial

SMT-i5264

- Add On Module
- 2EA 10/100 Mbps Ehternet
- Support POE (IEEE 802.3af)
- 64/64 DSS/BLF Buttons
- Web Remote Setting Support
- Speed Dial/ Call Pick up/ Public / Extension
- IPV6 Support

SMT-i5210

- UC Phone for Office
- 81.28(4line)mm Color LCD
- 2EA 10/100 Mbps Ehternet
- Support 1Gbps for PC (Option)
- Support POE (IEEE 802.3af)
- 14/14 DSS/BLF Buttons
- XML Support
- G.722, G.711 G.729a/b
- sRTP, 802.1x Support
- IPV6 Support

SMT-i3105

- 71.12(4line)mm Color LCD
- 2EA 10/100 Mbps Ehternet
- Support POE (IEEE 802.3af)
- 5/5 DSS/BLF Buttons
- XML Support
- G.722, G.711 G.729a/b
sRTP, 802.1x Support
- IPV6 Support

SMT-i3100

- 71.12(4line)mm Color LCD
- 2EA 10/100 Mbps Ehternet
- Support POE (IEEE 802.3af)
- 5 DSS Buttons
- XML Support
- G.722, G.729a/b
- sRTP, 802.1x Support
- IPV6 Support

OfficeServ Digital Phone

DS-5038D

- Support Display 2 Line
- 38 Programmable Keys with tri-colored LEDs
- Built-in Speakerphone
- Wall Mountable
- Room Meeting Function(option)

DS-5021D

- Support Display 2 Line
- 21 Programmable Keys with tri-colored LEDs
- Built-in Speakerphone
- Navigation Key

DS-5014D

- Support Display 2 Line
- 14 Programmable Keys with tri-colored LEDs
- Built-in Speakerphone
- Navigation Key

DS-5014S

- Low-end Digital Phone
- Support Display 2 Line
14 Programmable Keys with
- tri-colored LEDs
- Built-in Speakerphone

DS-5064B

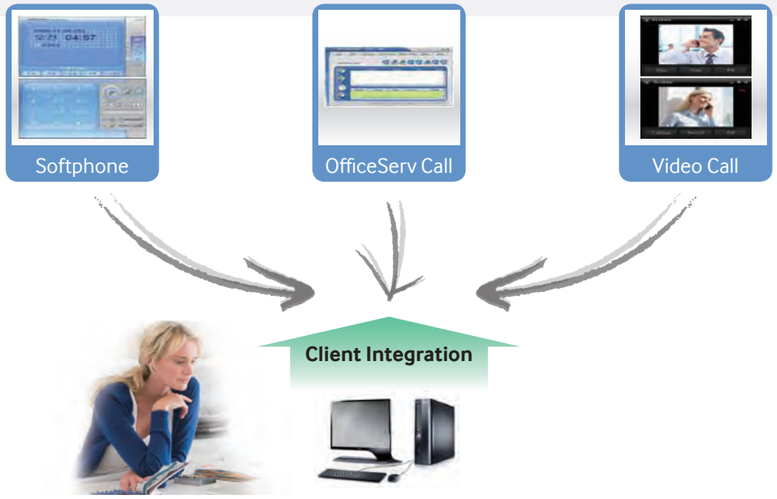
- 64 Button Operator Console
- Dual Color LED
- AOM

DS-5007S

- Low-end Digital Phone
- Support Display 2 Line
7 Programmable Keys with
- tri-colored LEDs
- Built-in Speakerphone

OfficeServ Communicator

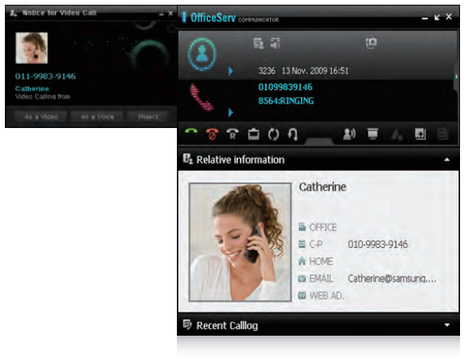
This unified communication tool provides functions and solutions of all Samsung Desktop Applications through one unified UI for convenience and simplicity of use. Video call and recording is provided in Softphone mode and in UC phone mode using the SMT-i5243 phone.



OfficeServ Communicator System Recommendation

	Specifi
Operating System	Windows XP Professional SP2 Over Windows Vista Business / Professional Over Windows 7 Business / Professional Over
CPU	Pentium 4 1GHz over(Only for use Audio Mode) → 1.6 GHz Over Pentium 4 2GHz over(for use Video Mode) → 2.0 GHz Dual Core Over
Memory	1 GB Over (Only for use Audio Mode) 2GB Over(for use Video Mode)
HDD	500 Mbytes Over
Network Interface Card	10/100BASE-T
Sound Card	Duplex Supprt Sound Card
Camera	PC (Web Cam)Camera
ETC	Head Set (or mic speaker)

Features and Benefits



	Features
Click-to-call	O
Phone Book	O
Call Log	O
Busy Memo	O
Screen Popup	O
Video Call	O 주1)
Recording	O 주2)

주1), 주2)
Video call and recording is provided in Soft phone mode and in UC phone mode using the SMT-i5243 phone.

WE VoIP (FMC Client)

Samsung FMC Client is a smartphone application for enterprise telephony designed to be used in the company's WLAN environment.

- Optimized for world's bestselling Samsung smartphone devices, FMC Client utilizes Samsung's distinct HD Voice technology for much more natural and clear voice quality compared to conventional mobile call voice quality.
- Interfacing with the Samsung OfficeServ system, it provides mobility and flexible work environment with various enterprise telephony functions adequate for the business context.

Integrated Dialer

The phone's default dialer is converged with VoIP functions so that the application can be used without executing it.

HD Voice

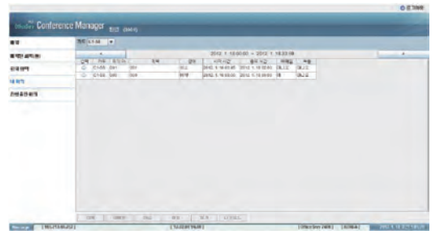
Equipped with Samsung's voice engine optimized for smartphones, Wideband Codec (G.722), Super Wideband Codec (SILK), and handover function which allows uninterrupted calls while moving between AP cells

OfficeServ CNF24

The Meet-Me Conference feature helps save the company's telecommunication costs for conferences with people outside the office.

* What is Meet-Me Conference?

Conventionally, to have a conference with a person outside the office, it was necessary to call the external number from inside the office. But Meet-Me Conference allows a conference room number to be allocated in advance so that the person outside can call the conference room number inside the office for conference.



Features and Benefits

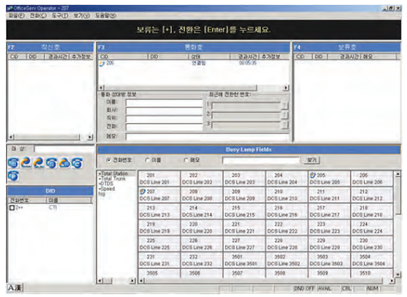
_ Meet-me Conference
_ Email Invitation
_ Conference Status Real Time Support
_ Paging
_ Meeting record function Support
_ Support 24 channel per CNF 24 Board
_ Operation System: OfficeServ 7400, OfficeServ 7200 V4.60 Over
_ Public Type: PRI/SPNET Trunk
_ Maxium Mount per System
OfficeServ 7400 : 4 ea, OfficeServ 7200 : 2 ea

OfficeServ Operator

OfficeServ Operator is a PC-based AA console. It is a telecommunications application program designed to work with the OfficeServ system.

OfficeServ Operator System Recommendation

Support System	OfficeServ 7000 Series
Operating System	Windows NT Server/Workstation 4.0(service pack 5), Windows 2000 Series (Professional, Server, Advanced Server), Windows XP Professional
CPU	Pentium 3 500 MHz Over A Dual Pentium processor is recommended for a system with 300 or more devices.
Memory	128 MByte Over
Application	TAPI 2.x Over, OfficeServ Link



Features and Benefits

_ Keyboard/mouse call processing
_ Drag-and-drop call processing
_ Call management by status
_ Realtime indication of extension status
_ Call logging service

OfficeServ OpenTSP

OpenTSP provides an effective interworking environment for the Samsung key phone PBX and CTI solutions of other manufacturers

OfficeServ Open TSP System Recommendation

Support System	OfficeServ 7000 Series
Operating System	Windows 98 SE, Windows ME, Windows 2000 Series(Professional, Server, Advanced Server), Windows XP Series (Home edition, Professional), Windows NT 4.0
CPU	Pentium III 800 MHz Over
Memory	256 MByte Over
Application	TAPI 2.x Over, OfficeServ Link

Features and Benefits

_ TAPI function support

Supports various TAPI functions defined by Microsoft. Provides various functions such as transmitting DTMF.

_ Extension function support

The OpenTSP driver provides many more extension functions in addition to the functions defined in the TAPI.
Functions provided: phone locking, message settings when unavailable, follow me, trunk redial, broadcast, common hold intercept, message waiting alert delete, call back delete, OHVA, barge in, receiver on/off, and line reset

OfficeServ EasySet

This is a voice-data convergence product that allows the customer to configure the digital/IP phone settings using the web browser on the PC.

OfficeServ Operator System Recommendation

Support System	OfficeServ 7000 Series
Operating System	Windows 2000 Series(Professional, Server, Advanced Server), Windows XP Professional
CPU	Pentium III 800 MHz Over
Memory	256 MByte Over
Application	IIS 5.0, OfficeServ Link

Features and Benefits

_ Extension telephone function and key usage settings service

This service allows the user to configure their digital/IP phone buttons and functions using the web browser on the PC. This service allows device assignment without having to memorize the conventional complicated PBX program (MMC).

_ Executives' status indication service

The wall board service shows status of the executives as not available, stepped outside, gone home, on business trip, in conference, on vacation, etc. on the web browser screen of the PC.

_ Short messaging service

This service allows sending short messages to an extension line which can be checked using the LCD of the digital/IP telephone or the computer.

_ Call logging service

Call time and list of incoming and outgoing calls can be viewed via the web browser.